

SCHEMATIC REPRESENTATION FOR EPITOPE EVOLUTION

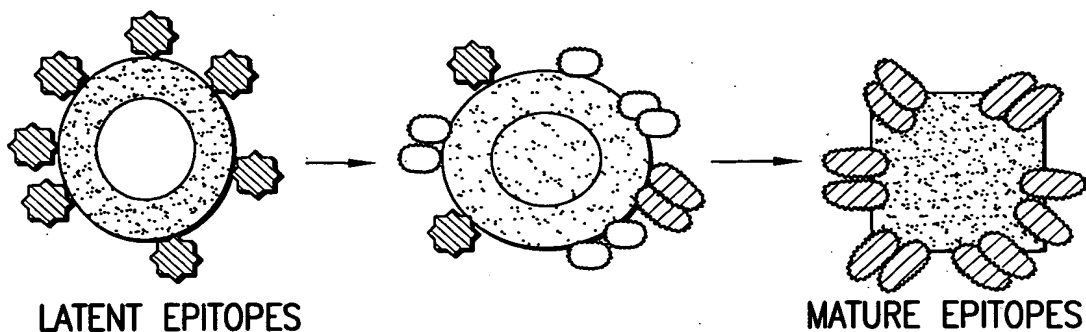


FIG.1A

CHEMICAL CONVERSION - INTERCHAIN DISULFIDE BOND CROSS-LINKING

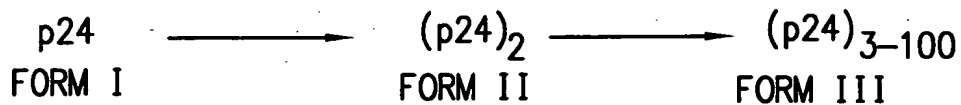


FIG.1B

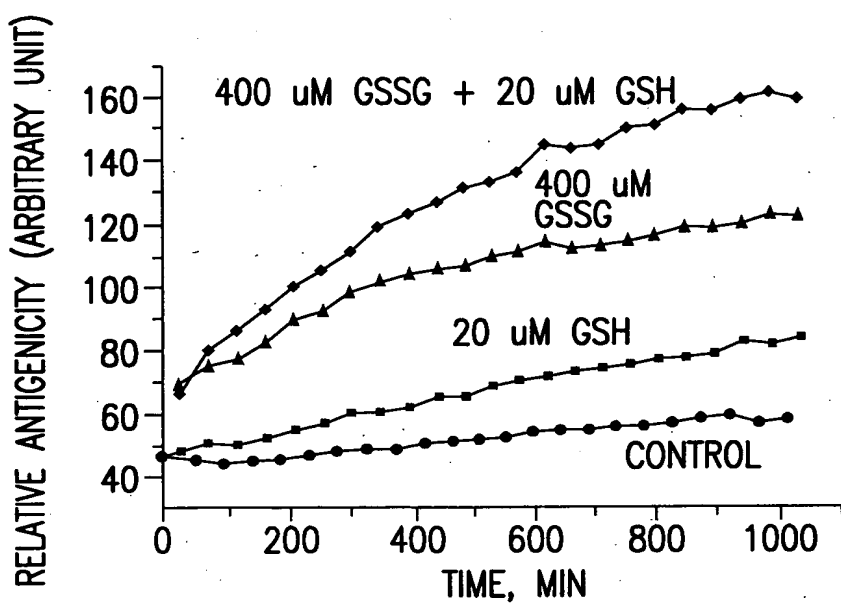


FIG.2A

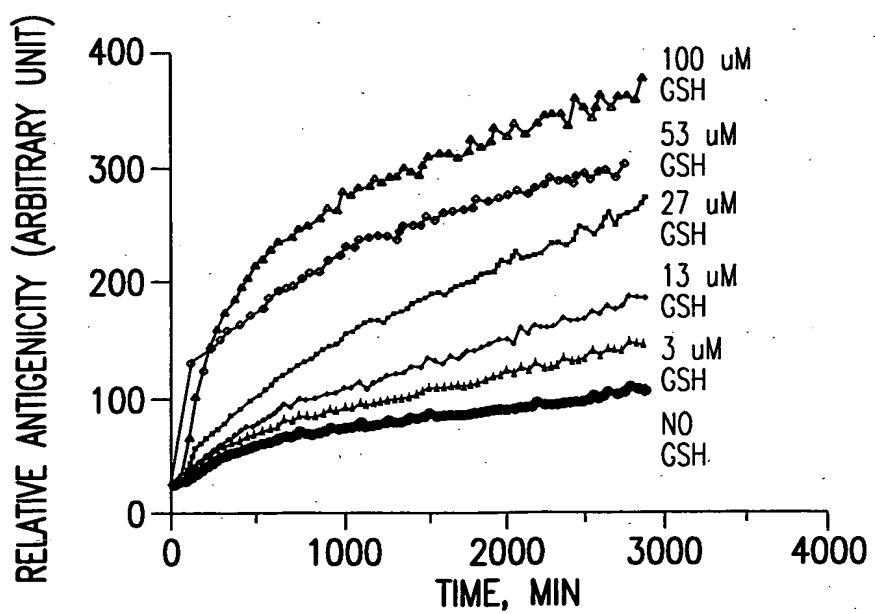


FIG.2B



1 CACATTGCTGACCCAGTCTCCAGGCAATCATGTCGCAATGCTCCAGGGGAGAGGTGACCATGACCTGGCAGTCCGAGCTCAAGTGAAGTTACATGTAC**TGGTACGAGAGAGAGCCAGGATCTCCCGCAGACTCCGATTTTTCACACATCCAGCCTCCCTTCGGAGTCCCTGTT
 180
 CDR 2
 150 160 170 180
 1 DIVLTOSPAILMSSASPGCEKVTIMTCSASSSVSYMY*WYQQQKPCGSSPRLLIFIDTSNLPSCVPV
 60
 CDR 1
 70 80 90 100 110 120 130 140 150 160 170 180

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CDR 3

70 80 90 100 110 118

A1.2 C G C T T C A G T G C G A C T G G G T C T G C G A C C T T A C T C T C A C A T A G G C C A T G G A G G T G A G A T G C T G C C A C T T A T T A C T G C C A G G G T G C A G A C T A C C C A C C C A C A C T T G C G A G G G G G A C T G C G A A T A A A G G G G C T G C T G C A C C A C T G T A T C C A T C

A1.2 R F S G S G T S Y S L T I S R M E A E D A A T Y Y C Q R W S T Y P P I T F C G C G T K L E I K R A D A A P T V S I

FIG. 3A

V_H GENE REGION SEQUENCE COMPARISONS OF ANTI-HBS



FIG.3B



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DAY 1 PRE-TREAT STANDARD AND SAMPLES - SECTION III.A.

DISPENSE 200 mcL OF EACH TREATED STANDARD
OR SAMPLE DILUTION INTO WELLS

↓
DISPENSE 200 mcL OF THE DILUENT CONTROL AND
THE KIT CONTROLS INTO REPLICATE WELLS

↓
ADD 50 mcL OF CONJUGATE TO WELLS

↓
TAP TRAY GENTLY TO MIX

↓
ADD ONE BEAD TO EACH TEST WELL

↓
INCUBATE TRAYS FOR 12-20 HOURS AT 20-28°C

↓
DAY 2 WASH BEADS 1 CYCLE WITH 14 ± 3 mL DISTILLED WATER

↓
TRANSFER BEADS TO TUBES

↓
ADD 300 mcL OF OPD SUBSTRATE SOLUTION

↓
INCUBATE 30 TO 35 MINUTES AT 20-28°C IN THE DARK

↓
ADD 1 mL OF 1N SULFURIC ACID TO EACH TUBE

↓
READ TUBES IN QUANTUMATIC™ WITHIN 2 HOURS

↓
-READ KIT CONTROLS BLANKED ON SUBSTRATE.

-READ STANDARDS AND TEST BLANKED ON SAMPLE DILUENT.

FIG.4

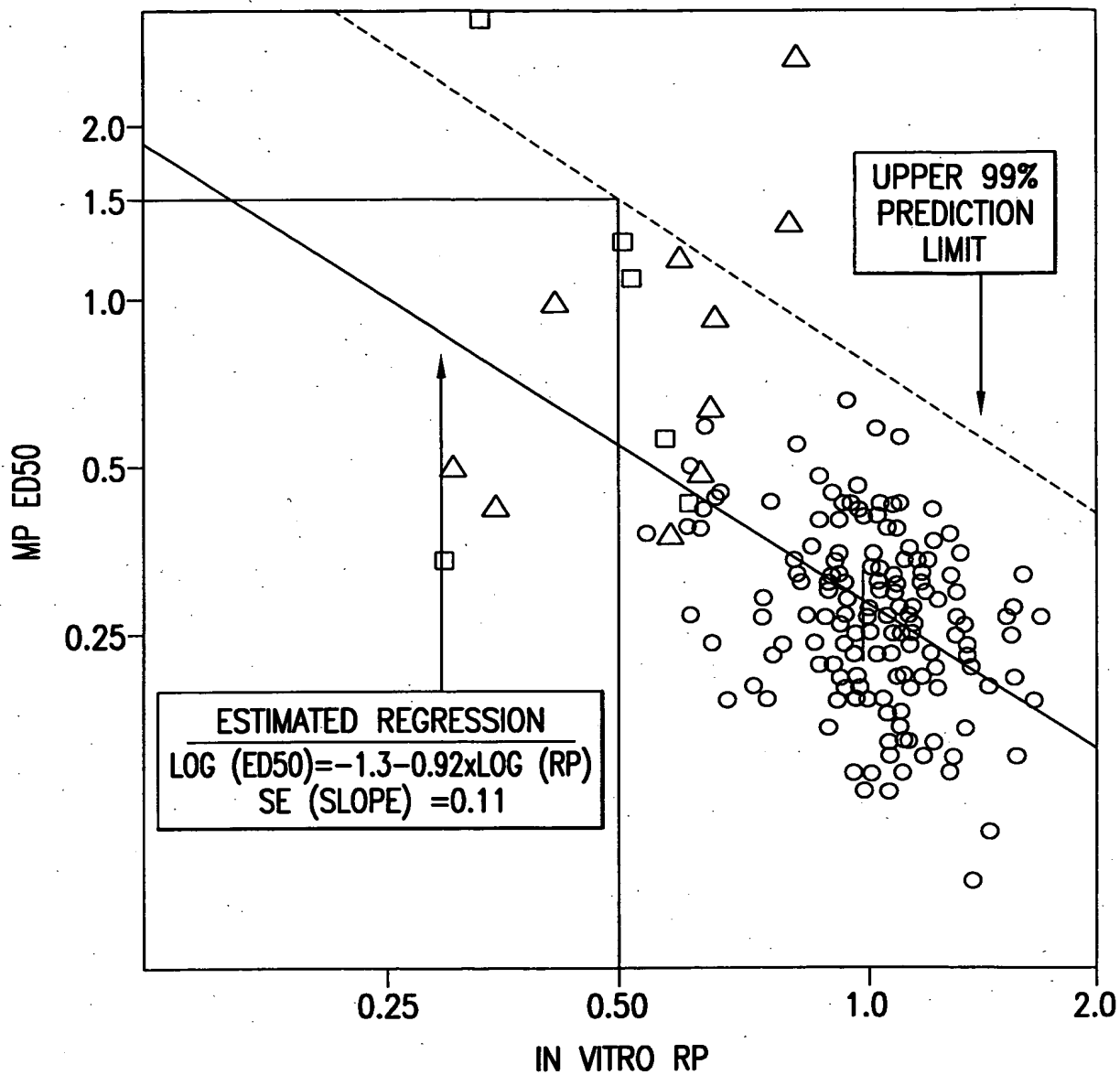


FIG.5

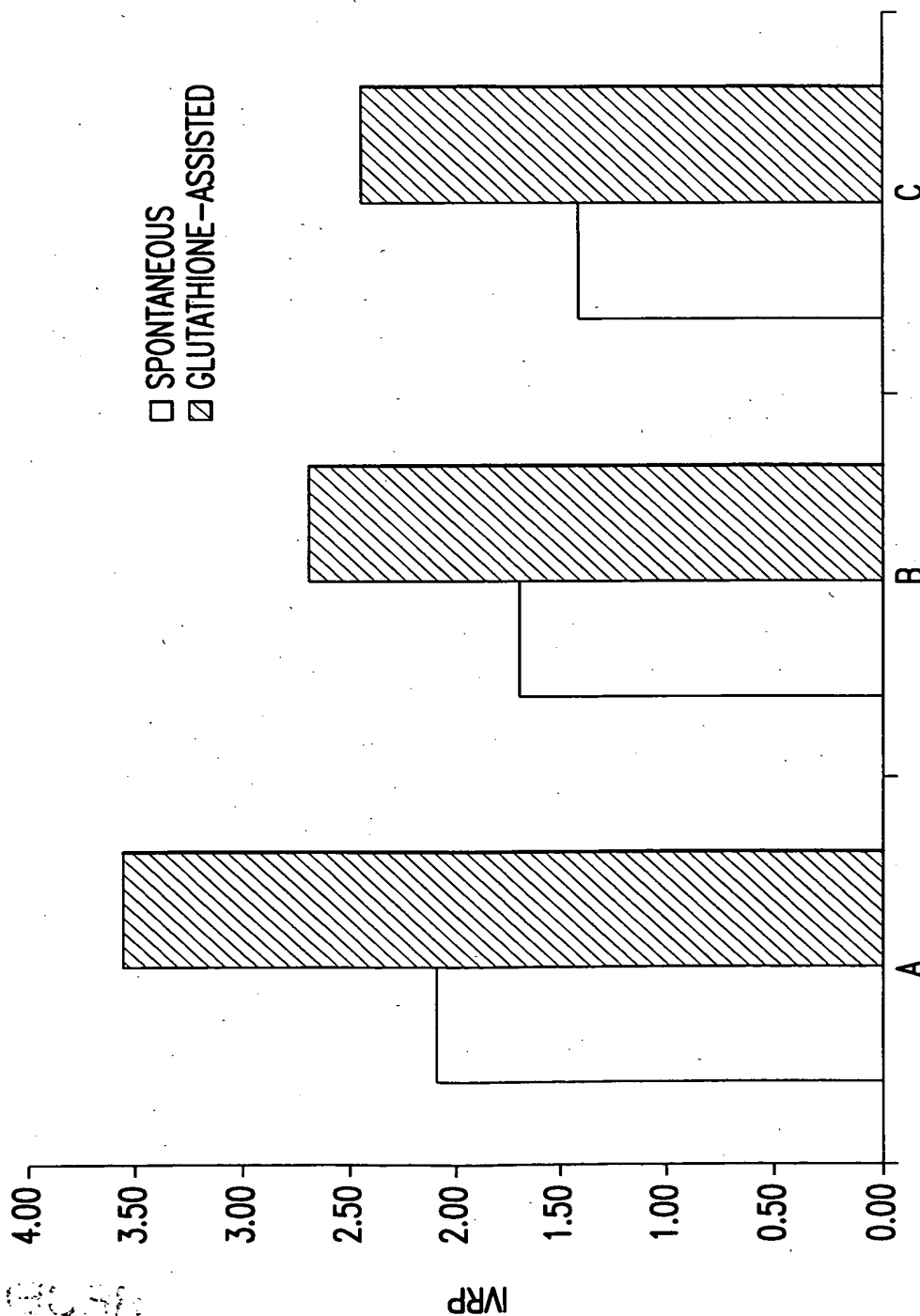


FIG.6

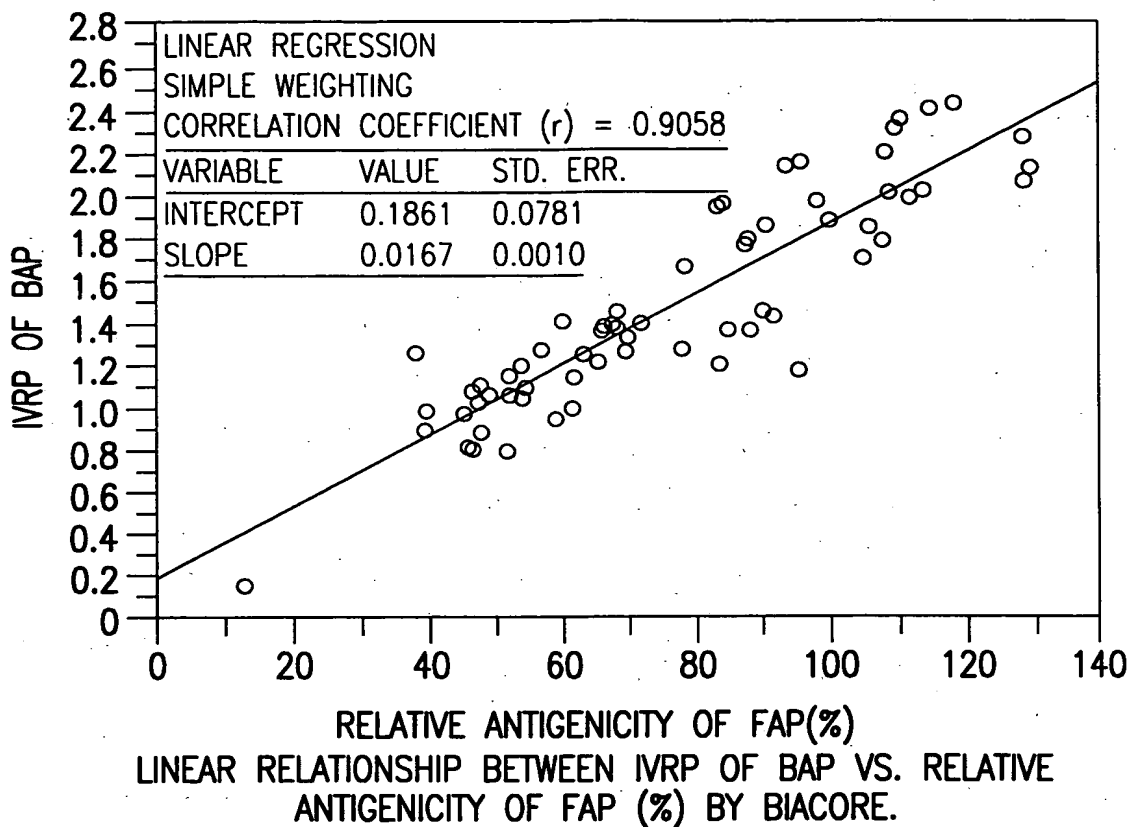


FIG.7

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